

ABSTRACT

The invention relates to a display device (1) for time-dependent processes, especially for displaying the change of a used toothbrush. The display device (1) consists of a storage chamber (6) containing a liquid and a porous indicator strip (7), which is provided at one point with a dye (8) which dissolves in the liquid (5), which after dissolving in the liquid (5), colors the indicator strip (7) time-dependently over its length. The material of the indicator strip (7), the liquid (5) and the dye (8) are matched to one another such that dye molecules (18) can adhere to the indicator strip (7) until the boundary surfaces (19) of the pores (18) are covered with dye molecules (21) while the remainder of the dye molecules (21) diffuse further in the liquid (5) and the adhesion process thus proceeds time-dependently. This produces a sharp color front.

(Fig. 2)